

FAX TRANSMISSION

DATE: April 10, 2003

PTO IDENTIFIER: Application Number 09/240,632-Conf. #7584

Patent Number

Inventor: Yutaka Murakami, et al

MESSAGE TO: C. Fan

FAX NUMBER: (703) 872-9314

FROM: CONNOLLY BOVE LODGE & HUTZ LLP

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Attorney Dkt. #: 20402-00568-US

PAGES (Including Cover Sheet): 4 17

CONTENTS: In response to the Office Action mailed December 10, 2002, attached is a Response, One Month Extension of Time and Amendment Transmittal.

If your receipt of this transmission is in error, please notify this firm immediately by collect call to (202) 331-7111 and send the original transmission to us by return mail at the address below.

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PTO/SB/97 (12-97)

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on April 10, 2003
Date



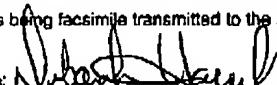
Signature

Deborah A. Harrell
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Note: Each paper must have its own certificate of transmission, or this certificate must identify each submitted paper.

Amendment in Response to Non-Final Office Action;
Request for One Month Extension of Time;
Fee Transmittal; and
Amendment Transmittal.

Off

AMENDMENT TRANSMITTAL LETTER				Docket No. 20402-00568-US	
Application No. 09/240,632-Conf. #7584		Filing Date February 1, 1999		Examiner C. Fan	Art Unit 2634
Applicant(s): Yutaka Murakami, et al					
Invention: MODULATION METHOD AND RADIO COMMUNICATION SYSTEM					
TO THE COMMISSIONER FOR PATENTS					
Transmitted herewith is an amendment in the above-identified application.					
The fee has been calculated and is transmitted as shown below.					
CLAIMS AS AMENDED					
	Claims Remaining After Amendment	Highest Number Previously Paid	Number Extra Claims Present		
Total Claims	55	- 73 =	0	x	0.00
Independent Claims	6	- 12 =	0	x	0.00
Multiple Dependent Claims (check if applicable) <input type="checkbox"/>					
Other fee (please specify): One Month Extension of Time 110.00					
TOTAL ADDITIONAL FEE FOR THIS AMENDMENT: 110.00					
<input checked="" type="checkbox"/> Large Entity <input type="checkbox"/> Small Entity <input type="checkbox"/> No additional fee is required for this amendment. <input checked="" type="checkbox"/> Please charge Deposit Account No. 22-0185 in the amount of \$ 110.00 A duplicate copy of this sheet is enclosed. <input type="checkbox"/> A check in the amount of \$ _____ to cover the filing fee is enclosed. <input type="checkbox"/> Payment by credit card. Form PTO-2038 is attached. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge and credit Deposit Account No. 22-0185 as described below. A duplicate copy of this sheet is enclosed. <input checked="" type="checkbox"/> Credit any overpayment. <input checked="" type="checkbox"/> Charge any additional filing or application processing fees required under 37 CFR 1.16 and 1.17.					
Dated: April 10, 2003					
George R. Pettit Attorney Reg. No.: 27,369 CONNOLLY BOVE LODGE & HUTZ LLP 1990 M Street, N.W., Suite 800 Washington, DC 20036-3425 (202) 331-7111					
I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 872-9314, on the date shown below. Dated: 4/10/03 Signature:  (Deborah A. Harrell)					

I hereby certify that this correspondence is being facsimile transmitted to the Patent and Trademark Office, facsimile no. (703) 872-9314, on the date shown below.

Dated: 4/10/03 Signature: Deborah A. Harrell
(Deborah A. Harrell)

Docket No.: 20402-00568-US
(PATENT)

4/10/03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:

Yutaka Murakami, et al

Application No.: 09/240,632

Group Art Unit: 2634

Filed: February 1, 1999

Examiner: C. Fan

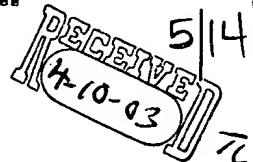
For: **MODULATION METHOD AND RADIO
COMMUNICATION SYSTEM**

Official

entered

TLR

5/14/03



AMENDMENT UNDER 37 C.F.R. §1.116

BOX AF

Commissioner for Patents
Washington, DC 20231

Dear Sir:

In response to the Office Action dated December 10, 2002, please amend the above-identified U.S. patent application as follows:

IN THE SPECIFICATION:

Page 18, after line 23, kindly insert the following:

As is well known in the art, a pair of modulated baseband I and Q signals is composed of (or contains) a stream of modulated symbols. According to the invention, the quadrature baseband modulator 12 outputs the baseband I and Q signals composed of a stream of modulated symbols as shown in Fig. 7. Fig. 7 shows an arrangement of a symbol stream according to the base concept of the invention. In Fig. 7, the symbol stream is basically composed of first symbols having been subjected to a first modulation scheme (16 APSK in the specific example of Fig. 7) and periodically includes second symbols having been subjected to a second modulation scheme (QPSK in the specific example of Fig. 7) which is different from the first modulation scheme. This enables a receiver to use each of the second symbols as a pilot symbol

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